

UI1235

Technical Datasheet



LiFe PoWER

Li-Ion LFP Benefits Over SLA

- Capable of nearly full nameplate capacity delivery vs. 50% typically from SLA
- >3000 full depth of discharge cycles
- Uniform voltage during discharge
- Long duration charge retention (no trickle charging required)
- Light weight
- No venting
- Wider temperature range

Features

- Screw terminals - size M6
- Integrated carry handles

Applications

- Scooters / wheelchairs
- UPS replacement
- Solar battery

Technical Specifications

Part No	UI1235
Chemistry	Lithium Iron Phosphate
Nominal Voltage	12V (13.2V average)
Nominal Capacity	32Ah at 0.2C discharge rate
Energy	422Wh
Max. Continuous Discharge Current	65A
Over Current Protection	200 ± 30A, 5 ± 20ms
Discharge Cut-off Voltage	Approx. 10V
Charge Voltage	14.4 ± 0.1V (see table)
Charge Mode	CC/CV use a constant current, constant voltage (CC/CV) charging regime
Max. Charge Current	60A (see table)
Internal Resistance	≤35mΩ
Operating Temperature	Charge: 0°C to 45°C Discharge: -20°C to 60°C
Weight	Approx. 4.4 ± 0.1kg (9.7 ± 0.2lb)
Size	Length: 196 ± 2mm (7.68in) Width: 130 ± 2mm (5.16in) Height: 181 ± 2mm (7.13in)
Protection	Over charge protection Over discharge protection Over current protection Temperature protection Cell balancing function
Transportation	Class 9 Hazardous

Constant Voltage Charge at 23°C	Voltage Regulation	Initial Current
Standby Use	13.6V	32A
Cycle Use	14.4V	32A

Performance Graphs

